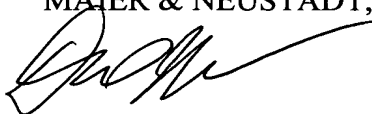


REMARKS

Claims 1-44 are active in the present application. The claims have been amended to remove multiple dependencies. Claims 22-44 are new claims. Support for the new claims is found in the original claims. No new matter is added. An action on the merits and allowance of claims is solicited.

Respectfully submitted,

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IN THE CLAIMS

3. (Amended) The olefin branched macromonomer as claimed in claim 1 [or 2], for which the monomer to constitute it is propylene, or a combination of propylene and at least one selected from ethylene, α -olefins having from 4 to 20 carbon atoms, cyclic olefins and styrenes, and of which the propylene content falls between 0.1 and 100 mol%.

4. (Amended) The olefin branched macromonomer as claimed in claim 1 [or 2], for which the monomer to constitute it is ethylene, or a combination of ethylene and at least one selected from α -olefins having from 4 to 20 carbon atoms, cyclic olefins and styrenes, and of which the ethylene content falls between 50 and 99.9 mol%.

5. (Amended) The olefin branched macromonomer as claimed in claim 1 [or 2], for which the monomer to constitute it is ethylene or propylene.

6. (Amended) An olefin graft copolymer obtained by copolymerizing the olefin branched macromonomer of [any of claims 1 to 5] claim 1 with at least one comonomer selected from ethylene, propylene, α -olefins having from 4 to 20 carbon atoms, cyclic olefins and styrenes, in the presence of a metallocene catalyst.

7. (Amended) An olefin graft copolymer obtained by copolymerizing the olefin branched macromonomer of [any of claims 1 to 5] claim 1 with at least one comonomer selected from ethylene, propylene, α -olefins having from 4 to 20 carbon atoms, cyclic olefins and styrenes, in the presence of a Ziegler-Natta catalyst.

8. (Amended) The olefin graft copolymer as claimed in claim 6 [or 7], which satisfies the following (1) and/or (2):

(1) its intrinsic viscosity $[\eta]$ measured in a solvent decalin at 135°C falls between 0.3 and 15 dl/g;

(2) it contains from 0.01 to 70% by weight of the olefin branched macromonomer [of any of claims 1 to 5] satisfying the following (a) and (b):

(a) its weight-average molecular weight (Mw) measured through gel permeation chromatography (GPC) falls between 400 and 200000;

(b) its vinyl content is at least 70 mol% of all the unsaturated groups in the macromonomer.

9. (Amended) An olefin resin composition comprising 100 parts by weight of a thermoplastic resin, and from 0.05 to 70 parts by weight of the olefin graft copolymer of [any of claims 6 to 8] claim 6.

11. (Amended) The olefin resin composition as claimed in claim 9 [or 10], of which the ratio of the relaxation rate $[(1/R_1)$ of claim 10] of the long-term relaxation component measured through solid ^1H -NMR $(1/R_1)$ falls between 1.0 and 2.0 (1/sec) to the relaxation rate $(1/R_1)_0$ of the long-term relaxation component, measured through solid ^1H -NMR, of a resin composition not containing the propylene branched macromonomer [of any of claims 1 to 5] satisfying the following (a) and (b):

(a) its weight-average molecular weight (Mw) measured through gel permeation chromatography (GPC) falls between 400 and 200000;

(b) its vinyl content is at least 70 mol% of all the unsaturated groups in the macromonomer, $[(1/R_1)/(1/R_1)_0]$, satisfies the following relationship:

$$[(1/R_1)/(1/R_1)_0] \geq 1.01.$$

14. (Amended) The propylene macromonomer as claimed in claim 12 [or 13], for which the monomer to constitute it is ethylene and propylene.

15. (Amended) An olefin graft copolymer obtained by copolymerizing the propylene macromonomer of [any of claims 12 to 14] claim 12 with at least one comonomer selected from ethylene, propylene, α -olefins having from 4 to 20 carbon atoms, cyclic olefins and styrenes, in the presence of a metallocene catalyst.

16. (Amended) An olefin graft copolymer obtained by copolymerizing the propylene macromonomer of [any of claims 12 to 14] claim 12 with at least one comonomer selected from ethylene, propylene, α -olefins having from 4 to 20 carbon atoms, cyclic olefins and styrenes, in the presence of a Ziegler-Natta catalyst.

17. (Amended) The olefin graft copolymer as claimed in claim 15 [or 16], which contains from 0.01 to 40% by weight of the propylene macromonomer [of any of claims 12 to 14] satisfying the following (a), (b) and (c):

(a) its weight-average molecular weight (Mw) measured through gel permeation chromatography (GPC) falls between 800 and 500000;

(b) its vinyl content is at least 70 mol% of all the unsaturated groups in the macromonomer;

(c) its propylene content falls between 50 and 100 mol%.

18. (Amended) The propylene graft copolymer as claimed in [any of claims 15 to 17] claim 15, which satisfies the following (1) and/or (2)

(1) its intrinsic viscosity $[\eta]$ measured in a solvent decalin at 135°C falls between 0.3 and 15 dl/g;

(2) the ratio of the weight-average molecular weight (Mw) to the number-average molecular weight (Mn) thereof measured through GPC, Mw/Mn, falls between 1.5 and 4.5.

19. (Amended) An olefin resin composition comprising 100 parts by weight of a thermoplastic resin, and from 0.05 to 70 parts by weight of the propylene graft copolymer of [any of claims 15 to 18] claim 15.

21. (Amended) The olefin resin composition as claimed in claim 19 [or 20], of which the ratio of the relaxation rate of the long-term relaxation component measured through solid $^1\text{H-NMR}$ ($1/R_1$) falls between 1.0 and 2.0 (1/sec) [$(1/R_1)$ of claim 20] to the relaxation rate $(1/R_1)_0$ of the long-term relaxation component, measured through solid $^1\text{H-NMR}$, of a resin composition not containing the propylene graft copolymer [of any of claims 15 to 18] satisfying the following (a), (b) and (c):

(a) its weight-average molecular weight (Mw) measured through gel permeation chromatography (GPC) falls between 800 and 500000;

(b) its vinyl content is at least 70 mol% of all the unsaturated groups in the macromonomer;

(c) its propylene content falls between 50 and 100 mol%, $[(1/R_1)/(1/R_1)_0]$, satisfies the following relationship:

$$[(1/R_1)/(1/R_1)_0] \geq 1.01.--$$

Claims 22-44 (New).